



PATHWAYS2POSSIBILITIES

engage | educate | empower



CAREER
20 EXPO **17**

MISSISSIPPI COAST CONVENTION CENTER
BILOXI, MISSISSIPPI
NOVEMBER 16 - 17





PATHWAYS2POSSIBILITIES
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Dear Parents,

Welcome to the 5th Annual Pathways2Possibilities: P2P Career Expo. More than 6,500 8th grade students from public and private schools across the state’s six lower counties, plus Perry and Greene Counties, will attend this inspirational event. The P2P experience is a great opportunity for your student to take the first steps in planning for his or her future.

Please take the time to explore the 19 Pathways included in this booklet with your 8th grader. Each page lists possible jobs and careers within each professional field, an expected salary range, and the educational and training paths to follow. We are confident this will be a rewarding and motivating experience for all our students and educators, as well as you, the parents.

AEROSPACE	AGRICULTURE, FOOD & NATURAL RESOURCES	ARCHITECTURE & CONSTRUCTION	ARTS, AV TECHNOLOGY & COMMUNICATIONS	BUSINESS MANAGEMENT & ADMINISTRATION
EDUCATION & TRAINING	ENERGY	ENGINEERING & POLYMER SCIENCE	FINANCE	GOVERNMENT & PUBLIC ADMINISTRATION
HEALTH SCIENCE	HOSPITALITY & TOURISM	HUMAN SERVICES	INFORMATION TECHNOLOGY	LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY
MANUFACTURING	MARINE SCIENCE	MARKETING	TRANSPORTATION, DISTRIBUTION & LOGISTICS	

Also, spend a few moments noting the many company participants and sponsors who helped make P2P a reality for your child. Be sure to thank any of them you may know or encounter. We really appreciate their involvement!

The next four years are critical for you and your 8th grader. We wish you all the best as you guide them to a productive and enjoyable future as employees. You can visit us at www.pathways2possibilities.org.

Yours in education,

2017 Pathways2Possibilities: P2P Team



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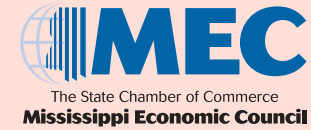


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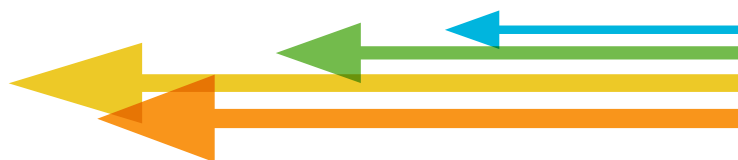
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PATHFINDERS

PATHWAY	PATHFINDERS	EMPLOYER
AEROSPACE	TESSA Q. KEATING	NASA
AGRICULTURE, FOOD & NATURAL RESOURCES	DR. CHRISTINE E.H. COKER	MISSISSIPPI STATE COASTAL RESEARCH & EXTENSION CENTER
ARCHITECTURE & CONSTRUCTION	GINA CREEL	ROY ANDERSON CORP.
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ENGINEERING & POLYMER SCIENCE	MARCUS CONNER	THE CHEMOURS COMPANY
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HEALTH SCIENCE	TERRA DICKEY	DIGESTIVE HEALTH CENTER
HOSPITALITY & TOURISM	MARIE KLOSOWSKI TWIGGS	MGM BEAU RIVAGE
HUMAN SERVICES	LASHAUNDR MCCARTY	UNITED WAY JACKSON-GEORGE COUNTIES
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	JENNIFER COCHRAN	MISSISSIPPI SECURITY POLICE
MANUFACTURING	VICTORIA HUNT	INGALLS SHIPBUILDING
	MARK SCOTT	INGALLS SHIPBUILDING
MARINE SCIENCE	MIKE MASHBURN	INSTITUTE FOR MARINE MAMMAL STUDIES
MARKETING	ANITA BROOKS	GEIGER
TRANSPORTATION, DISTRIBUTION & LOGISTICS	PAIGE ROBERTS	EPIC ENTERPRISES, LLC
	KAREN SOCK	SOCK ENTERPRISES, INC.



INTERESTS & ABILITIES

- DETAIL-ORIENTED
- LIKES SCIENCE, MATH & TECHNICAL CONCEPTS
- PROBLEM SOLVING
- LIKES TEAMWORK
- STRONG MATH & SCIENCE SKILLS
- FOLLOWING DIRECTIONS



In Aerospace careers, workers apply mathematical and scientific principles to the design, development and operational evaluation of aircraft, space vehicles and their systems; applied research on flight characteristics; and the development of systems and procedures for the launching, guidance and control of air and space vehicles.

CAREER OPTIONS

HIGH SCHOOL DIPLOMA & TRAINING	Non-Destructive Testing Technical Customer Service Avionics Mechanic Sheet Metal/Fabricator Production Machine Operator	Inspector Assembler Material Handler A&P Mechanic
4-YEAR+ DEGREE	Aerospace Engineer Structure Engineer Business Unit Leader	Manufacturing Engineer Quality Engineer

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Quality Engineer	Engineering Degree	\$47,000 - \$76,000
Aerospace Engineer	Engineering Degree	\$65,000 - \$150,000
Structure Engineer	Engineering Degree	\$65,000 - \$150,000
Operations Technician	Associate's Degree	\$40,000 - \$87,000
Customer Service	Post-Secondary Education	\$41,000 - \$68,000
Non-Destructive Testing	On-the-Job/ Technical Training	\$47,000 - \$76,000

Student Organization: SkillsUSA • www.skillsusa.org



INTERESTS & ABILITIES

LIKES NATURE, SCIENCE & THE OUTDOORS

ORGANIZED

PUNCTUAL

DESIRE TO PROTECT & MANAGE THE WORLD'S RESOURCES



The Agriculture, Food and Natural Resources Career Pathway focuses on supporting life by ensuring that we are responsibly managing our food production and natural resources. These areas supply us and many other countries with a wide variety of food products and non-food products, such as fibers, natural resources and nursery items. These fields contribute positively to our foreign trade balance, and they remain some of the nation's larger industries in terms of total employment. This pathway focuses on preparing students for careers in the planning, implementing, producing, managing, processing and marketing of agricultural goods and services.

CAREER OPTIONS

EDUCATION LEVEL	CAREER OPTIONS
HIGH SCHOOL DIPLOMA & TRAINING	<ul style="list-style-type: none"> Grounds Keeper Animal Caretaker Fish & Wildlife Technician Miller Harvester Nursery Worker Veterinary Assistant
2+ YEARS POST-SECONDARY EDUCATION	<ul style="list-style-type: none"> Animal Breeder Lab Technician Air & Quality Technician Veterinary Technician Hatchery Manager
4-YEAR+ DEGREE	<ul style="list-style-type: none"> Fish & Game Warden Environmental Engineer Agriculture Manager Botanist Forester Oceanographer Veterinarian Food Scientist Astronomer

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Landscape Artist	Graduate Degree	\$37,000 - \$58,000
Agricultural Inspector	Bachelor's Degree	\$25,000 - \$63,000
Landscaper	High School Diploma	\$18,000 - \$43,000
Logging Equipment Operator	High School Diploma	\$21,000 - \$47,000

Student Organization: Future Farmers of America • www.ffa.org





INTERESTS & ABILITIES

GOOD WITH HANDS & TOOLS
 STRONG MATH & SCIENCE SKILLS
 GOOD TIME MANAGEMENT SKILLS
 TEAM PLAYER

Houses, apartments, factories, roads and bridges are some products of Architecture and Construction. This industry's activities include designing and building structures, including site preparation, as well as adding and modifying existing ones. The industry includes landscaping, maintenance, repair and improvements of structures. To offset rising energy costs, some companies opt for new buildings or energy efficient renovations. "Green construction" is increasingly popular and involves making buildings as environmentally friendly as possible by using recyclable and earth-friendly products. Construction offers career opportunities for people with different talents and educational backgrounds. Career opportunities include managers, clerical workers, accountants, engineers, truck drivers, trades workers and construction helpers. This pathway prepares students for careers in designing, planning, managing, building and maintaining built environments. People employed in architecture and construction work on new structures, restorations, additions, alterations and repairs.

CAREER OPTIONS

EDUCATION LEVEL	CAREER OPTIONS
HIGH SCHOOL DIPLOMA & TRAINING	Carpenter's Assistant Drafting Aide Cost Estimator Welder Cable Installer Elevator Repair & Installer HVAC Mechanic
2+ YEARS POST-SECONDARY EDUCATION	Electronic Technician Electrician Carpenter Mason Drafting Technician Plumber Construction Supervisor Construction Surveyor
4-YEAR+ DEGREE	Electrical Engineer Construction Manager Architect Civil Engineer Landscape Architect

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Interior Designer	Bachelor's Degree	\$20,000 - \$60,000
Construction Administrator	Bachelor's Degree	\$40,000 - \$70,000
Project Supervisor	Bachelor's Degree	\$37,000 - \$95,000
Drafter/Designer	Associate's or Bachelor's Degree	\$15,000 - \$45,000
Boilermaker	On-the-Job Training/Post-Secondary Education	\$45,000 - \$56,000
Brickmason	On-the-Job Training/Post-Secondary Education	\$37,000 - \$52,000
Carpenter	High School Diploma	\$24,000 - \$73,000

Student Organization: SkillsUSA • www.skillsusa.org



INTERESTS & ABILITIES

- TIME MANAGEMENT SKILLS
- STRONG ORAL & WRITTEN COMMUNICATIONS
- LIKES PEOPLE
- ENJOYS POLITICAL SCIENCE & CURRENT AFFAIRS
- SELF-CONFIDENT
- PROFICIENT IN ENGLISH



Information, communication, technology and rapid change are leading forces in the 21st century. These fields combine artistic expression and individual style with in-depth understanding of today's state-of-the-art technologies. Strong communication and presentation skills make these career choices rewarding and profitable. Flexibility and innovation are commodities of the times. In today's creative economy, the arts provide training and service for a workforce driven by innovation and communication. This career pathway focuses on courses of study that develop collaborative skills, creative thinking and an appreciation for diversity. The creative sector includes activities of nonprofit cultural organizations, commercial enterprises and professionals engaged in the applied arts. This career pathway covers arts, communication and design avenues, including the performing arts, fine art, graphic art, design industries, the film and movie industry, broadcast journalism, corporate communications, social media and public relations.

CAREER OPTIONS

EDUCATION LEVEL	CAREER OPTIONS
HIGH SCHOOL DIPLOMA & TRAINING	Composer, Singer, Jeweler, Media Aide, Dancer, Illustrator, Actor, Graphic Assistant, Sound Engineer, Production Assistant
2+ YEARS POST-SECONDARY EDUCATION	Visual Effects Artist, Hair Stylist, Web Page Designer, Videographer, Art Restorer, Copywriter, Radio Announcer
4-YEAR+ DEGREE	Fashion Designer, Animator, Graphic Designer, Creative Director, Music Director, Multimedia Artist, News Reporter, Editor, Broadcast News Analyst, Curator, Public Relations, Film/Video Editor

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Art Teacher	Bachelor's Degree	\$33,000 - \$55,000
Performing Arts Program Director	Bachelor's Degree	\$24,000 - \$64,000
Graphic Designer	Bachelor's Degree	\$26,000 - \$79,000
Web Page Designer	Associate's Degree	\$33,000 - \$112,000
Street Artist	High School Diploma	\$10,000 - \$56,000

Student Organization: SkillsUSA • www.skillsusa.org





INTERESTS & ABILITIES

- ENJOYS DRESSING PROFESSIONALLY
- EXCELLENT INTERPERSONAL SKILLS
- DETAIL-ORIENTED
- STRONG PUBLIC SPEAKING, ENGLISH & MATH SKILLS

Workers with the skill sets necessary for efficient Business Management and Administration operations fuel U.S. enterprises. Rewarding careers in this area of study can lead to a myriad of different companies and markets. Business Management and Administration professionals plan, direct, maintain and organize business operations for an organization. Business fundamentals serve as the foundation for all business pathways. Courses in business provide instruction in basic business skills and knowledge related to economic fundamentals, management, communications, finance, human relations, career development, ethics and business etiquette. This pathway prepares students for careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.

CAREER OPTIONS

EDUCATION LEVEL	CAREER OPTIONS
HIGH SCHOOL DIPLOMA & TRAINING	Data Entry Clerk Entrepreneur Receptionist Cashier Executive Assistant Human Resources Clerk
2+ YEARS POST-SECONDARY EDUCATION	Bookkeeper Records Manager Training Specialist Administrative Services Manager Office Manager Realtor Benefits Specialist
4-YEAR+ DEGREE	Chief Executive Officer Business Manager Human Resources Manager Operations Manager Recruiter

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Chief Executive	Master's Degree	\$75,000 - \$171,000
Human Resources Administrator	Bachelor's Degree	\$33,000 - \$96,000
Risk Management Manager	Bachelor's Degree	\$49,000 - \$71,000
Compensation/Benefits Manager	Associate's or Bachelor's Degree	\$41,000 - \$53,000
Administrative Assistant	On-the-Job Training	\$30,800 - \$81,000
Cashier	High School Diploma	\$16,000 - \$27,000

Student Organization: Future Business Leaders of America • www.fbla-pbl.org

INTERESTS & ABILITIES

- STRONG ORGANIZATIONAL SKILLS
- EXCELLENT PUBLIC SPEAKING SKILLS
- ENJOYS WORKING WITH PEOPLE



A vital part of everyone's life, Education is the future of our economy. The amount and type of education that individuals receive is a major influence on both the jobs they are able to hold and their earnings. Lifelong learning is important in acquiring new knowledge and upgrading one's skills, particularly in this age of rapid technological and economic change. This pathway focuses on preparing students for work in a variety of institutions that offer academic education, career and technical instruction, and other education and training to millions of students each year. This industry also includes institutions that provide training, consulting and other support services to schools and students, such as curriculum development, student exchanges and tutoring. Also included are schools or programs that offer non-academic or self-enrichment classes, including automobile driving and cooking instruction, among others.

CAREER OPTIONS

EDUCATION LEVEL	CAREER OPTIONS
HIGH SCHOOL DIPLOMA & TRAINING	Teacher's Aide, Substitute Teacher, Cafeteria Worker
2+ YEARS POST-SECONDARY EDUCATION	Preschool Teachers, Teacher's Assistant
4-YEAR+ DEGREE	Principal, Coach, Provost, Administrator, Teacher, Librarian, Trainer, Instructional Coordinator, Superintendent, Chief Learning Officer

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Librarian	Master's Degree	\$33,000 - \$86,000
Speech Language Pathologist	Master's Degree	\$44,000 - \$109,000
Principal	Master's Degree	\$59,000 - \$128,000
Teacher	Bachelor's Degree	\$19,000 - \$84,000
Training & Development Specialist	Bachelor's Degree	\$31,000 - \$93,000
Preschool Teacher	Associate's Degree	\$18,000 - \$50,000
Teacher's Assistant	Associate's Degree	\$17,000 - \$36,000

Student Organization: Educators Rising • www.educatorsrising.org
 Family, Career and Community Leaders of America • www.fcclainc.org



INTERESTS & ABILITIES

- GOOD FOUNDATION IN MATH & TECHNICAL CONCEPTS
- SELF-MOTIVATED
- DETAIL-ORIENTED
- LIFELONG LEARNING COMMITMENT
- ENJOYS TEAMWORK



Each day of our lives is centered on Energy. Without energy, your morning would be very different—no alarm clock, hot water, hair dryer, stove, air conditioning, television or car. All of these appliances and devices depend on natural gas, electricity or oil. Challenges lie ahead about how we provide energy reliably in a growing world while minimizing negative impacts on the environment.

CAREER OPTIONS

2+ YEARS POST-SECONDARY EDUCATION	Line Maintenance	Maintenance & Repair Division
	Nuclear Plant Operations	Plant Operations
4-YEAR+ DEGREE	Engineering	

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Engineering	Bachelor's Degree	\$52,000 - \$105,000
Line Maintenance	On-the-Job Training/Two-Year Degree Preferred	\$30,000 - \$75,000
Maintenance & Repair	On-the-Job Training/Two-Year Degree Preferred	\$27,000 - \$70,000
Nuclear Plant Operations	On-the-Job Training/Two-Year Degree Preferred	\$70,000 - \$87,000
Plant Operations	On-the-Job Training/Two-Year Degree Preferred	\$30,800 - \$75,000
Instrument & Electrical Technician	On-the-Job Training/Two-Year Degree Preferred	\$45,000 - \$83,000
Fabrication Mechanic	On-the-Job Training/Two-Year Degree Preferred	\$45,000 - \$83,000
Machinists Mechanic	On-the-Job Training/Two-Year Degree Preferred	\$45,000 - \$83,000

Student Organization: SkillsUSA • www.skillsusa.org



INTERESTS & ABILITIES

STRONG ATTENTION TO DETAIL
STRONG MATH & SCIENCE SKILLS
ENJOYS SCIENCE



Almost everything you see was designed by engineers or designers before being constructed. High-rise buildings, bridges and spaceships require the expertise of architects, engineers and designers. If you are interested in being part of something like designing a condo on the beach, or designing a ship, airplane or electronic device, consider a career in engineering or design. A successful career in this high-tech field requires people who are willing to take risks and question learning in order to discover and uncover new possibilities. Positions are available in a wide variety of workplaces, including hospitals, government agencies, corporate research and development departments, forensic laboratories and scientific classrooms.

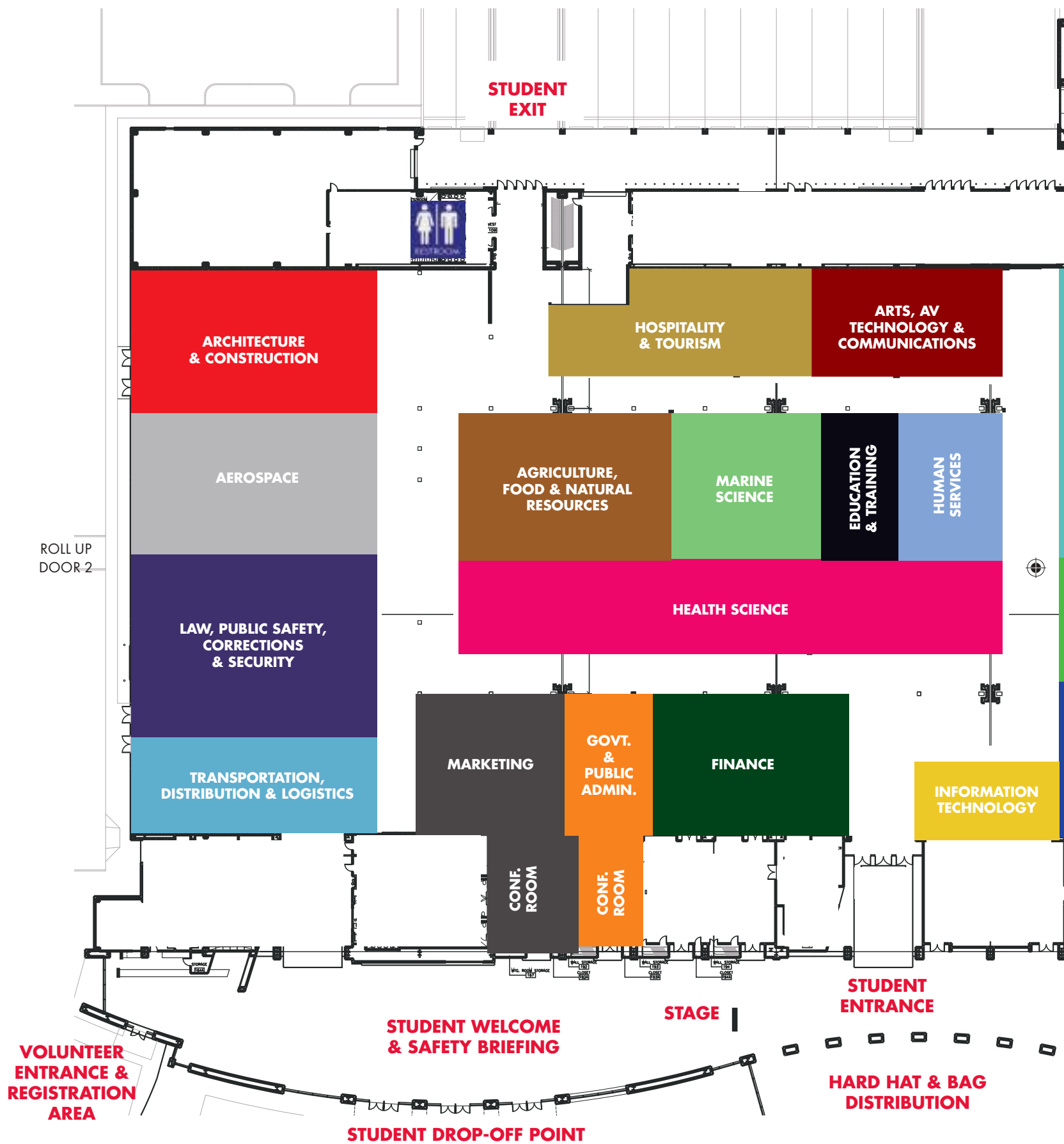
CAREER OPTIONS

HIGH SCHOOL DIPLOMA & TRAINING	Surveyor	Engineering Technician	Map Technician
2+ YEARS POST-SECONDARY EDUCATION	Mechanic Chemical Technician	Electromechanical Technician Engineering Technician	Drafter
4-YEAR+ DEGREE	Sound Engineer Chemical Engineer Nuclear Engineer Chemist	Aerospace Engineer Environmental Engineer Materials Scientist	Industrial Engineer Materials Engineer Geoscientist

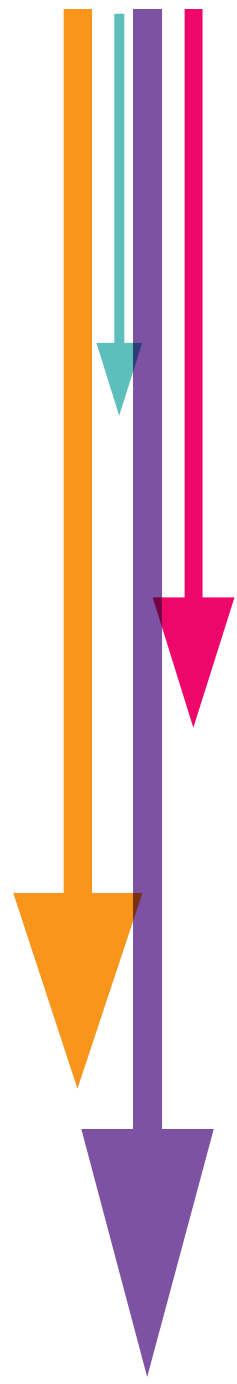
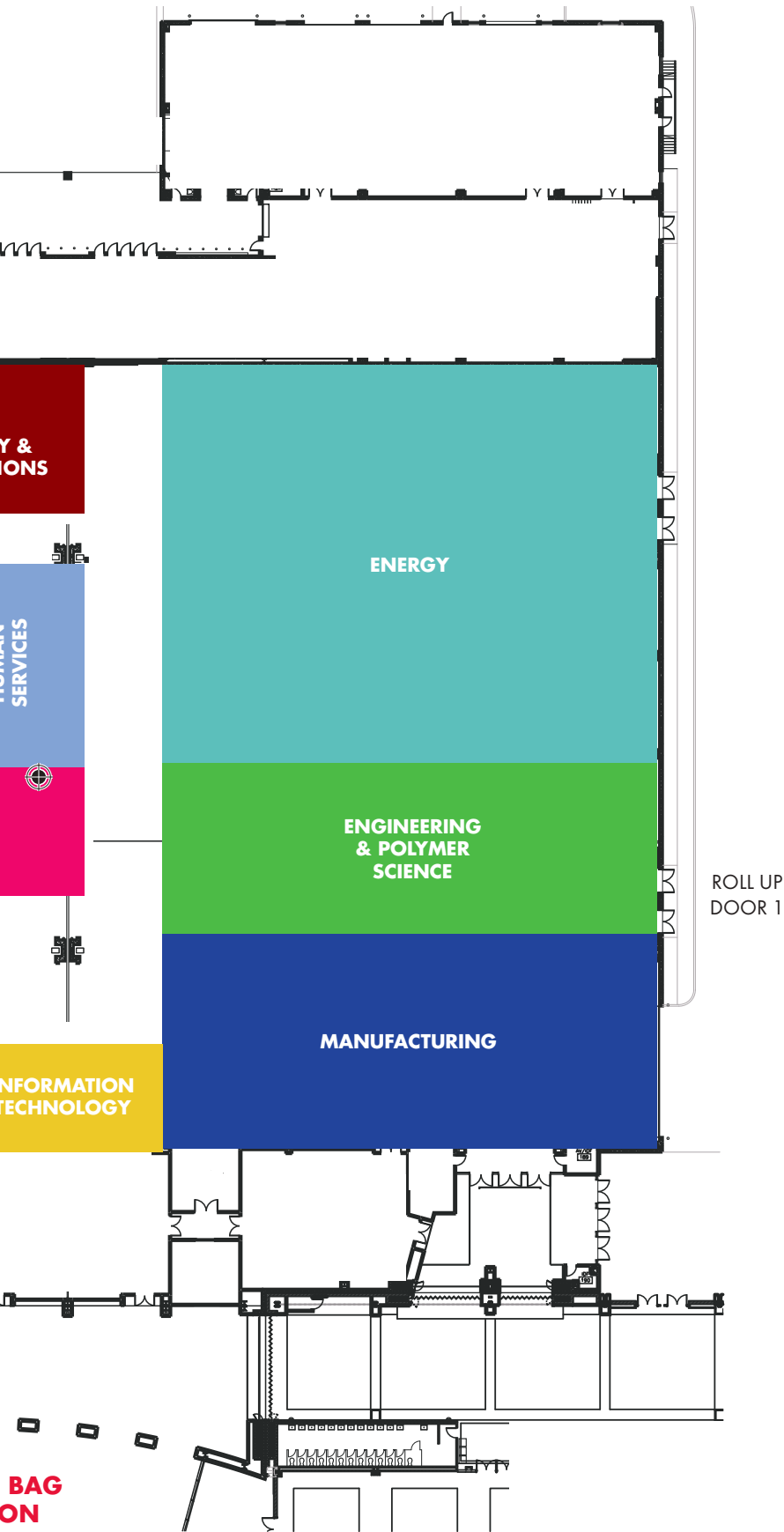
OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Civil Engineer	Bachelor's Degree	\$51,000 - \$126,000
Technical Writer	Bachelor's Degree	\$40,000 - \$105,000
Computer Systems Analyst	Bachelor's Degree	\$50,000 - \$122,000
Industrial Engineer	Bachelor's Degree	\$51,000 - \$118,000
Polymer Scientist	Bachelor's Degree	\$41,000 - \$120,000
Chemical Technician	Associate's Degree	\$26,000 - \$70,000
Drafter	On-the-Job Training/Post-Secondary	\$32,000 - \$77,000
Surveyor	High School Diploma	\$32,000 - \$91,000
Map Technician	High School Diploma	\$24,000 - \$65,000

Student Organization: Technology Student Association • www.tsaweb.org





EVENT MAP



P2P

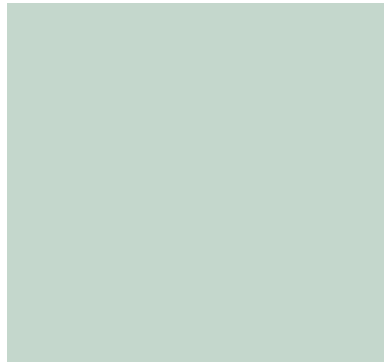
COAST 2017





INTERESTS & ABILITIES

HIGHLY ORGANIZED
STRONG IN MATH, ENGLISH
& COMPUTER SKILLS
GOOD ATTENTION TO DETAIL



The Finance industry deals with the management, investment, transfer and lending of money. Every company utilizes money, and the finance area is responsible for the handling of those funds. The industry itself is very large, encompassing everything from small local businesses and banks to the multinational corporations and investment banks regularly featured in news headlines. The finance career pathway prepares students for careers in financial and investment planning, banking, insurance and business financial management. There are several fields of study in this pathway, including corporate finance, financial planning, investment banking, insurance and real estate.

CAREER OPTIONS

EDUCATION LEVEL	CAREER OPTIONS
HIGH SCHOOL DIPLOMA & TRAINING	Bookkeeper, Insurance Appraiser, Bank Teller, Account Collector, Claims Adjuster
2+ YEARS POST-SECONDARY EDUCATION	Tax Preparer, Loan Processor, Debt Counselor, Claims Agent
4-YEAR+ DEGREE	Accountant, Underwriter, Bank Manager, Auditor, Economist, Investment Manager, Development Officer, Financial Analyst, Insurance Agent

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Financial Advisor	Bachelor's Degree	\$32,000 - \$187,000
Accountant	Bachelor's Degree	\$39,000 - \$111,000
Bookkeeping Clerk	On-the-Job Training/Post-Secondary Education	\$21,000 - \$54,000
Teller	High School Diploma	\$19,000 - \$34,000
Customer Service Rep	High School Diploma	\$19,000 - \$49,000

Student Organization: Future Business Leaders of America • www.fbلا-pbl.org





INTERESTS & ABILITIES

- GOOD TIME MANAGEMENT
- DESIRE TO HELP OTHERS
- STRONG ENGLISH & PUBLIC SPEAKING SKILLS
- ETHICAL
- ENJOYS LEADING & TEAMWORK
- ORGANIZED



The field of Government and Public Administration provides ample opportunity to help one's fellow citizens. These jobs are vital to ensure governmental services reach the American people. Many of these positions facilitate assistance to citizens and conduct activities that are critical to the function of American society. Employees in government or public administration careers work to keep our society running and functioning in ways that are nearly invisible to most people. For instance, some of these tasks include safeguarding national borders and supporting diplomatic missions, as well as planning urban developments, administering public programs and analyzing tax policies. This pathway includes careers in governance, national security, foreign service, planning, revenue and taxation, regulation and management and administration at the local, state and federal levels.

CAREER OPTIONS

HIGH SCHOOL DIPLOMA & TRAINING	Postmaster	Detective	Postal Clerk
	Census Clerk	Politician	Mail Superintendent
	Compliance Officer	Real Estate Appraiser	Military Personnel
2+ YEARS POST-SECONDARY EDUCATION	Nuclear Quality Control Inspector	Quality Control Inspector	City Code Officer
4-YEAR+ DEGREE	County Tax Collector	City Planner	State Auditor
	Urban Planner	Financial Examiner	Lobbyist

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
City Planner	Master's Degree	\$41,000 - \$97,000
State Auditor	Bachelor's Degree	\$38,000 - \$74,000
City Code Enforcement Officer	Associate's Degree	\$28,000 - \$60,000

Student Organization: Future Business Leaders of America • www.fbla-pbl.org
 Family, Career and Community Leaders of America • www.fcclainc.org

HEALTH SCIENCE

INTERESTS & ABILITIES

STRONG MATH, SCIENCE & COMPUTER SKILLS
 DETAIL-ORIENTED
 DESIRE TO HELP OTHERS
 INTERPERSONAL SKILLS



Healthcare is the fastest growing industry in the U.S. Technological advances have made new procedures and methods of diagnosis and treatment possible. Clinical developments, such as infection control, less invasive surgical techniques, advances in reproductive technology and gene therapy for cancer treatment, increase longevity and improve the quality of life for many people. Advances in information technology improve patient care and worker efficiency. Information on vital signs and orders for tests are transferred electronically, eliminating the need for paper and reducing record keeping errors. Healthcare students prepare for careers promoting health and wellness and diagnosing and treating injuries and diseases. Some careers involve working with people and others involve researching disease or collecting and formatting data and information. Settings include hospitals, medical offices, laboratories, communities, sports arenas or cruise ships.

CAREER OPTIONS

EDUCATION LEVEL	CAREER OPTIONS
HIGH SCHOOL DIPLOMA & TRAINING	Nurse's Aide Admitting Clerk Diagnostic Imaging Assistant Phlebotomist Pharmacy Technician Massage Therapist Dental Assistant Home Health Aide Mortuary Assistant
2+ YEARS POST-SECONDARY EDUCATION	Registered Nurse Radiological Technologist Paramedic Physical Therapy Assistant Medical Transcriptionist Funeral Director Sonographer Dental Hygienist Veterinarian Technician
4-YEAR+ DEGREE	Speech Pathologist Radiologist Registered Dietician Physical Therapist Medical Doctor Pharmacist Biomedical Engineer Nutritionist Chiropractor Dentist

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Physician	First Professional Degree	\$120,000+
Dentist	Doctorate/First Professional Degree	\$73,000 - \$187,000
Pharmacist	Doctorate	\$89,000 - \$145,000
Physical Therapist	Doctorate	\$55,000 - \$112,000
Registered Nurse	Associate's Degree	\$45,000 - \$94,000
Respiratory Therapist	Associate's Degree	\$40,000 - \$75,000

Student Organization: Health Occupations Students of America • www.hosa.org



INTERESTS & ABILITIES

PEOPLE-PERSON
 STRONG COMMUNICATION SKILLS
 ENJOYS DRESSING PROFESSIONALLY



As long as people have free time, they will pursue leisure activities. As leisure time and personal incomes grow across the nation, so will the hospitality industry. Leisure activities include theatrical activities, such as attending a cinema for a movie; going to a community theater for a play; enjoying gaming entertainment offered by casinos; or taking part in sporting activities, such as kayaking, tennis or surfing. Food services, restaurants and cocktail establishments are a widespread and familiar category within this industry. People travel for a variety of reasons, including vacations, business and visits to friends and relatives. Many travelers stay in hotels and seek accommodations while out of town. Resort and casino hotels offer activities to keep travelers and families occupied during their stay. This industry includes physical fitness facilities that feature exercise programs, gyms, health clubs and spas. This pathway introduces students to management, marketing and operation of restaurants, as well as lodging establishments and tourist attractions.

CAREER OPTIONS

HIGH SCHOOL DIPLOMA & TRAINING	Prep Cook	Concierge	Food Service Manager
	Translator	Gaming Supervisor	Hunting Guide
2+ YEARS POST-SECONDARY EDUCATION	Sous Chef	Assistant Manager	Ticketing Agent
	Executive Housekeeper Captain	Front Desk/Sales Manager	Lead Banquet Server
4-YEAR+ DEGREE	Executive Chef General Manager	Hotel Director	Meeting & Convention Planner

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Hotel Director	Bachelor's Degree	\$50,000 - \$100,000
Front Desk/ Sales Manager	Associate's Degree	\$32,000 - \$60,000
Executive Housekeeper	Associate's Degree	\$35,000 - \$50,000
Sous Chef	Associate's Degree	\$37,000 - \$57,000
Maintenance Technician	Technical Training	\$18,000 - \$35,000
Spa Service Technician	Training	\$20,000 - \$50,000
Cook	High School Diploma/Post-Secondary	\$22,000 - \$26,000

Student Organization: SkillsUSA • www.skillsusa.org
 Family, Career & Community Leaders of America • www.fcclainc.org



INTERESTS & ABILITIES

COMPASSIONATE
 ENJOYS WORKING WITH PEOPLE
 PATIENT
 STRONG ENGLISH & PUBLIC
 SPEAKING SKILLS



The Human Services field relates to family and human needs. The work environment could vary from public schools to private child-care centers to personal households. At times, people need assistance to live full and productive lives. People need assistance finding a job, locating safe and adequate housing or getting nutritious food for their families. Human services help individuals and families become healthy and productive members of society. Assistance establishments provide services that include helping the homeless, counseling troubled individuals, training the unemployed and helping families obtain aid. Individuals in this industry work to improve the lives of the people they serve and to enrich communities. The services provided vary greatly, depending on the local population and its needs. This pathway prepares students for careers in social service agencies, community and civic organizations, child care and charities.

CAREER OPTIONS

EDUCATION LEVEL	CAREER OPTIONS
HIGH SCHOOL DIPLOMA & TRAINING	Fitness Trainer, Nanny, Childcare Worker, Aerobics Instructor, Social Services Assistant
2+ YEARS POST-SECONDARY EDUCATION	Research Aide, Preschool Teacher
4-YEAR+ DEGREE	Clergy Member, Psychologist, Social Worker, Family Therapist, Counselor, Community Services Manager, Clinical Psychologist

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Clinical Psychologist	Doctorate	\$39,000 - \$112,000
Counselor	Master's Degree	\$31,000 - \$86,000
Clergy	Master's Degree	\$22,000 - \$76,000
Social Worker	Bachelor's Degree	\$27,000 - \$72,000
Preschool Teacher	Associate's Degree	\$18,000 - \$48,000
Fitness Trainer	On-the-Job Training/Post-Secondary Education	\$17,000 - \$66,000
Childcare Worker	High School Diploma	\$16,000 - \$29,000

Student Organization: Family, Career & Community Leaders of America • www.fcclainc.org



INTERESTS & ABILITIES

STRONG ENGLISH, MATH & COMPUTER SKILLS

ENJOYS TEAMWORK

PROBLEM SOLVER



Information Technology (IT) careers are available in every sector of the economy. IT manages the information and applications that office workers rely on to do their jobs. Careers in IT involve the design, development, support and management of hardware, software, multimedia and systems-integration services. The IT industry is a dynamic and entrepreneurial field continuing to have a revolutionary impact on the U.S. and world economies. IT specialists create products and set up and maintain systems. IT professionals focus on improving the usability and efficiency of technological systems and processes. Students in this pathway gain the basic foundation, skills and knowledge for computer networking, applications and support, along with an introduction to programming. Students develop skills to prepare for certification exams and learn to develop, support and integrate computing systems. They acquire network planning and management skills and the ability to provide technical support.

CAREER OPTIONS

EDUCATION LEVEL	Cable Installer	PC Technician	Repair Assistant
HIGH SCHOOL DIPLOMA & TRAINING			
2+ YEARS POST-SECONDARY EDUCATION	Computer Support Specialist Web Developer	Network Technician	Programmer
4-YEAR+ DEGREE	Computer & Information Network Analyst Software Engineer Game Designer	Systems Manager Systems Engineer Systems Administrator	Network Analyst Database Design Specialist Web Designer

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Network Administrator	Bachelor's Degree	\$44,000 - \$115,000
Software Developer	Bachelor's Degree	\$55,000 - \$138,000
Computer Support Specialist	Associate's Degree	\$34,000 - \$96,000
Web Developer	Associate's Degree	\$33,000 - \$105,000
Audio-Visual Installer	Post-Secondary Education	\$28,000 - \$75,000
Cable Installer	High School Diploma	\$30,000 - \$83,000

Student Organization: Technology Student Association • www.tsaweb.org





INTERESTS & ABILITIES

- ENJOYS TEAMWORK
- ETHICAL
- GOOD TIME MANAGEMENT
- HIGHLY ORGANIZED
- STRONG ORAL & WRITTEN COMMUNICATION
- FOLLOWS RULES & DIRECTIONS



The fields of Law, Public Safety, Corrections and Security involve planning, managing and providing legal, public safety, protective and homeland security services and also include the professional and technical-support assistance of personnel within these fields. Careers in this field involve serving and/or protecting our citizens. Law, public safety, corrections and security workers are found in a variety of settings. This pathway prepares students for careers in such areas as criminology, legal studies, forensics and psychology.

CAREER OPTIONS

HIGH SCHOOL DIPLOMA & TRAINING	Security Guard	Sheriff	Firefighter
	Fire Inspector	Police Officer	Dispatcher
2+ YEARS POST-SECONDARY EDUCATION	Correctional Officer	Jailer	Security Guard
	Animal Control Worker	Bailiff	Lifeguard
4-YEAR+ DEGREE	Emergency Management Specialist		
	Paralegal	Mediator	Parole Officer
	Immigration & Customs Inspector	Court Reporter	
	Attorney	Park Ranger	Loss Prevention Manager
	Judge	Forensic Science Technician	

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Crime Scene Technician	Bachelor's Degree	\$30,000 - \$60,000
Park Ranger	Bachelor's Degree	\$30,000 - \$90,000
Court Reporter	Post-Secondary Education	\$35,000 - \$55,000
Emergency Management Specialist	High School Diploma & Training	\$30,000 - \$60,000
Fire Inspector	High School Diploma & Training	\$24,000 - \$61,000
Police Officer	High School Diploma & Training	\$29,000 - \$110,000
Security Guard	High School Diploma	\$19,000 - \$40,000
Firefighter	High School Diploma	\$29,000 - \$45,000

Student Organization: SkillsUSA • www.skillsusa.org
 Family, Career & Community Leaders of America • www.fcclainc.org

INTERESTS & ABILITIES

- ENJOYS TEAMWORK
- STRONG MATH & TECHNICAL SKILLS
- TIME MANAGEMENT SKILLS
- DETAIL-ORIENTED
- LIKES TO FOLLOW & GIVE INSTRUCTION



Manufacturing is one of the oldest industries in the technological world. Manufacturing industries are the chief wealth-producing sectors of an economy. Manufacturing employs a huge share of the labor force and produces materials required by sectors of strategic importance, such as national infrastructure and defense. This pathway includes careers that manufacture products, maintain production facilities and improve the production process.

CAREER OPTIONS

EDUCATION LEVEL	CAREER OPTIONS
HIGH SCHOOL DIPLOMA & TRAINING	Machine Operator, Repair Assistant, Welding Apprentice
2+ YEARS POST-SECONDARY EDUCATION	Welder, Plant Supervisor, Precision Machinist, Fabrication Mechanic, Sheet Metal Technician
4-YEAR+ DEGREE	Production Engineer, Quality Control Engineer

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Mechanical Engineer	Bachelor's Degree	\$52,000 - \$121,000
Electrical Engineer	Bachelor's Degree	\$56,000 - \$136,000
Chemical Engineer	Apprenticeship/On-the-Job Training	\$58,000 - \$154,000
Welder	Apprenticeship/On-the-Job Training	\$24,000 - \$56,000
Rigger	Apprenticeship/On-the-Job Training	\$26,000 - \$83,000
Painter	Apprenticeship/On-the-Job Training	\$22,000 - \$60,000
Sheet Metal Worker	Apprenticeship/On-the-Job Training	\$25,000 - \$74,000
Pipe fitter	Apprenticeship/On-the-Job Training	\$29,000 - \$84,000

Student Organization: SkillsUSA • www.skillsusa.org



INTERESTS & ABILITIES

LIKES GIVING & FOLLOWING DIRECTION

STRONG MATH & TECHNICAL SKILLS

ENJOYS TEAMWORK

DETAIL-ORIENTED

EXCELLENT TIME MANAGEMENT SKILLS



Students thinking about careers in Marine Science often picture themselves working with whales. However, within the marine science field, only a few scientists specialize in that area. Marine biologists study the behavior and ecology of plants and animals that live in the ocean and their roles in the marine food chain. Oceanographers study the geological, chemical and physical aspects of the ocean. Ocean engineering covers the work of building and designing instruments, equipment, vehicles and structures used in the marine environment.

CAREER OPTIONS

2+ YEARS POST-SECONDARY EDUCATION	Biological Technician	Chemical Technician	Science Technician
4-YEAR+ DEGREE	Biologist Electrical Engineer	Geographical Oceanographer Naval Architect	Chemist

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Biologist	Bachelor's Degree	\$37,000 - \$95,000
Chemist (experienced)	Bachelor's Degree	\$41,000 - \$121,000
Environmental Scientist	Bachelor's Degree	\$48,000 - \$187,000
Marine Research Associate	Bachelor's Degree	\$40,000 - \$50,000
Naval Architect	Bachelor's Degree	\$54,000 - \$151,000
Oceanographer	Bachelor's Degree	\$50,000 - \$99,000

Student Organization: Technology Student Association • www.tsaweb.org



INTERESTS & ABILITIES

- ENJOYS DRESSING PROFESSIONALLY
- CREATIVITY
- EXCELLENT TIME MANAGEMENT SKILLS
- STRONG COMMUNICATION, MATH & TECHNICAL SKILLS
- ORGANIZED



Advertisements in the newspaper, TV commercials, jingles on the radio, grocery store posters, bumper stickers, e-mail ads and Web sites are created as part of marketing campaigns to entice consumers to buy products. Marketing is the link between an organization and its target audience, which includes customers, clients, investors and partners. Marketers create, manage, enhance and sell products and services so that they reflect well on the company's brand. A key part of a marketer's job is to understand the needs, preferences and constraints that define the targeted consumers corresponding to the brand. This career pathway is a good fit for people who are creative or number-minded statisticians with the ability to communicate persuasively, to "think on their feet," to use tact, to employ good judgment and to establish and maintain effective relationships with people at all levels within and outside the company.

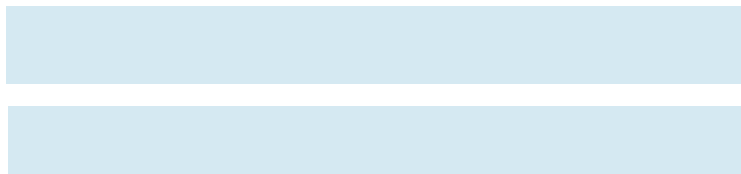
CAREER OPTIONS

HIGH SCHOOL DIPLOMA & TRAINING	Product Demonstrator	Order Clerk	Telemarketer
	Sales Associate	Customer Service Representative	
2+ YEARS POST-SECONDARY EDUCATION	Sales Agent	Retail Sales Worker	
	Market Research Analyst	Public Relations/ Social Media Specialist	Marketing Consultant
4-YEAR+ DEGREE	Media Coordinator	Advertising Manager	Event Planner

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Event Planner	Bachelor's Degree	\$26,000 - \$79,000
Advertising Manager	Bachelor's Degree	\$43,000 - \$187,000
Retail Manager	On-the-Job Training/Post-Secondary Education	\$28,000 - \$62,000
Sales Agent	On-the-Job Training/Post-Secondary Education	\$22,000 - \$103,000
Customer Service Representative	High School Diploma	\$19,000 - \$49,000

Student Organization: DECA • www.deca.org





INTERESTS & ABILITIES

- STRONG COMPUTER SKILLS
- ATTENTION TO DETAIL
- EXCELLENT TIME MANAGEMENT SKILLS
- ORGANIZED



Transportation, Distribution, and Logistics (TDL) relates to how goods are moved from one place to another. As far as goods and services are concerned, our world is flat. TDL takes care of how we get Mississippi farm-raised catfish to Europe and how the latest Paris styles arrive in the United States. TDL industries need motivated people with new ideas to ensure the U.S. transportation system continues to work efficiently. This pathway includes the planning, management and movement of people, materials and products by road, air, rail and water. It also includes related professional and technical services, such as infrastructure planning and management, logistics and maintenance of equipment and facilities.

CAREER OPTIONS

HIGH SCHOOL DIPLOMA & TRAINING	Air Traffic Controller Ship Captain	Commercial Pilot Service Attendant	Railroad Conductor Operator
2+ YEARS POST-SECONDARY EDUCATION	Marine Mechanic	Automotive Mechanic	Operations Technician
4-YEAR+ DEGREE	Atmospheric Scientist		

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Airport Manager	Bachelor's Degree	\$40,000 - \$150,000
Atmospheric Scientist	Bachelor's Degree	\$87,780 - \$110,000
Civil Engineer	Bachelor's Degree	\$77,560 - \$120,000
Commercial Pilot	On-the-Job Training/Post-Secondary Education	\$43,150 - \$110,000
Auto Paint Technician	High School Diploma/On-the-Job Training	\$36,000 - \$80,000
Salesperson	High School Diploma/On-the-Job Training	\$30,000 - \$110,000
Crane Operator	High School Diploma/On-the-Job Training	\$29,000 - \$79,000
Service Advisor	High School Diploma	\$30,000 - \$70,000

Student Organization: SkillsUSA • www.skillsusa.org
 Family, Career & Community Leaders of America • www.fcclainc.org

AEROSPACE

Aerojet Rocketdyne
Lockheed Martin Space Systems Company
NASA
Syncom Space Services - S3

AGRICULTURE, FOOD & NATURAL RESOURCES

Harrison County Soil and Water Conservation District
Humane Society of South Mississippi
MS Agricultural & Forestry Experiment Station
Mississippi 4-H
Mississippi Farm Bureau
Mississippi Forestry Commission
MSU Coastal Research & Extension Center
MSU Dept. of Animal and Dairy Science
MSU Dept. of Poultry Science
MSU Extension
Natural Resources Conservation Service

ARCHITECTURE & CONSTRUCTION

Allred Architectural Group
Home Depot
Ingalls Shipbuilding
Mississippi Construction Education Foundation
Moore Community House
National Assoc. of Women in Construction
Naval Construction Battalion Center
Pearl River Community College
Performance Contractors
Roy Anderson Corp.
Safety Source
Sunbelt Rentals
University of Southern Mississippi
Yates Construction

ARTS, AV TECHNOLOGY & COMMUNICATIONS

jz94.5
Lynn Meadows Discovery Center
Ohr-O'Keefe Museum
Sun Herald
Walter Anderson Museum of Art
WLOX-TV

EDUCATION & TRAINING

University of Southern Mississippi

ENERGY

Blossman Gas
Chevron
Coast Electric Power Association
Mississippi Power Company
Singing River Electric Power Association

ENGINEERING

Brown, Mitchell & Alexander, Inc.
FABLAB
Gulf Coast Robotics
Mississippi Gulf Coast Community College
Mississippi Power Company
MSU Bagley College of Engineering
SABIC
The Chemours Company
U.S. Army Corps of Engineers
USM Polymer Science
USM School of Ocean Science and Technology

FINANCE

Bancorp South
Charter Bank
Community Bank
Hancock Bank
Hope Community Credit Union
Keesler Federal Credit Union
Merchants & Marine Bank
Navigator Federal Credit Union
People's Bank
Piltz, Williams, LaRosa & Co.
Regions Bank
The First Bank
Trustmark
Woodforest National Bank

GOVERNMENT & PUBLIC ADMINISTRATION

Mississippi Dept. of Employment Security
Mississippi Economic Council Tech Masters
Mississippi Secretary of State

HEALTH SCIENCE

Acadian Ambulance
Black Nurses Rock Mississippi Gulf Coast Chapter
Digestive Health Center
Divine Dentistry
Doctor's Specialty Pharmacy
Garden Park Medical Center
Hancock Medical Center
Memorial Hospital
Merit Health Biloxi
Mississippi Gulf Coast Community College
Mississippi Highway Patrol
Oschner Flight Care
Pediatric Dental Clinic
PRN Home Care
Saad Healthcare
Singing River Health System
Stone County Hospital
William Carey University College of Nursing
and College of Osteopathic Medicine

HOSPITALITY & TOURISM

Beau Rivage
Margaritaville

HUMAN SERVICES

3C: Creative Communications & Consulting
Back Bay Mission
Chris's Beauty College
Girl Scouts
Goodwill Industries of South Mississippi
Gulf Coast Center for Nonviolence
River Rock Yoga
Salvation Army

INFORMATION TECHNOLOGY

AGJ Systems
CSR Web Consulting
Keesler Air Force Base 81st Training Wing
Mississippi Development Authority
MSU Computing & Cybersecurity Equitable Education Space

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

Biloxi Fire Dept.
Biloxi Police Dept.
Gulfport Fire Dept.
Gulfport Police Dept.
Harrison Co. Emergency Management Agency
Harrison Co. Fire Dept.
Harrison Co. Sheriff's Dept.
Jackson Co. Sheriff's Dept.
MEMA
Mississippi Coast Crime Stoppers
Mississippi Dept. of Marine Resources
Mississippi Dept. of Transportation
Mississippi Dept. of Wildlife, Fisheries & Parks
Mississippi Highway Patrol
Mississippi National Guard
Mississippi Security Police
Pascagoula Police Dept.
Transportation Security Administration
U.S. Customs & Border Patrol
William Carey University

MANUFACTURING

Austal
Ingalls Shipbuilding
Lincoln Electric
Miller Electric
Mississippi Gulf Coast Community College
Specialty Machine Works
Triton
VT Halter Marine
WESCO

MARINE SCIENCE

Institute for Marine Mammal Studies
Mississippi Dept. of Marine Resources
Naval Oceanographic Office
USM School of Ocean Science and Technology

MARKETING

Best Buy
Black Tie White Rose Events
Chevron
City of Long Beach
Coldwell Banker Alfonso Realty - Donna Lishen
D.R. Horton
Geiger Promotional Products
Holly Gibbs, Assoc. Broker REALTOR EXIT Magnolia Coast Realty
Humane Society of South Mississippi
Keesler Federal Credit Union
MGM Resorts/Beau Rivage
Mississippi Power Company
Naval Construction Battalion Center
Pickering Firm, Inc.
Singing River Federal Credit Union
Singing River Health System
The Focus Group
The KARD Group
The Meeting Place
Tulane School of Professional Development
USM PRSSA
Woodforest National Bank

TRANSPORTATION, DISTRIBUTION & LOGISTICS

Coast Transit Authority
Mississippi Dept. of Transportation
Port of Gulfport



PARTNERS

Aramark
Convention Display Services
Gulfport School District
Harrison County School District
Jim Brooks
Mississippi Dept. of Education
Mississippi Dept. of Employment Security
Mississippi State Workforce Investment Board
Pascagoula-Gautier School District
Senator Brice Wiggins



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Bill Webb, Mississippi Development Authority

VOLUNTEERS:

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www.pathways2possibilities.org



PARTICIPATING SCHOOLS

Bay-Waveland Middle
Bayou View Middle
Biloxi Jr. High
Cedar Lake Christian Academy
Colmer Middle
D'Iberville Middle
East Central Middle
Gautier Middle
George Co. Middle
Gulfport Central Middle
Hancock Middle
Leakesville Jr. High
Long Beach Middle
Magnolia Middle
McLain Attendance Center
Middle School of Poplarville
North Gulfport Middle

North Woolmarket Middle
Ocean Springs Middle
Our Lady Academy
Pass Christian Middle
Pearl River Central Jr. High
Perry Central Middle
Petal Middle
Picayune Jr. High
Resurrection Middle
Richton High
Sand Hill Attendance Center
St. Martin Middle
St. Patrick Middle
Stone Middle
Vancleave Middle
West Wortham Middle

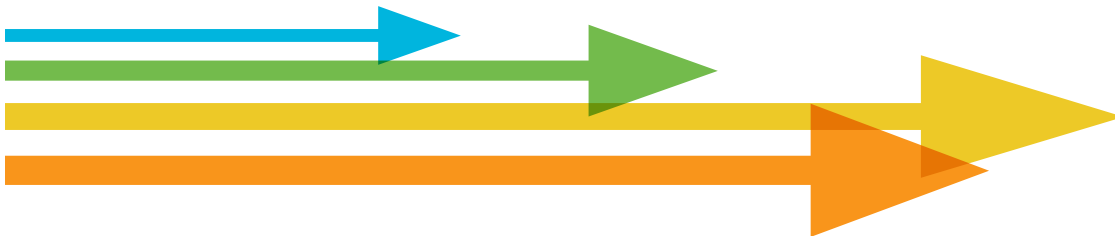




PATHWAYS2POSSIBILITIES
engage | educate | empower

"Understand that the right to choose your own path is a sacred privilege. Use it. Dwell in possibility."

~ Oprah Winfrey



Pathways2Possibilities: P2P 2017